

IN THE SPECIFICATION

Please amend the paragraph on page 7, line 16  
as follows:

--As shown in Figures 4 and 5, the  
magnetoresistive sensor 20 includes a housing 26. The  
housing 26 has a first portion 28 that is externally  
threaded so that the magnetoresistive sensor 20 can be  
threaded through the cylindrical wall 16 and into  
position where it can sense the rotation of the  
turbocharger compressor wheel 12. The housing 26 has a  
second portion 30 that is faceted to receive a wrench or  
other tool to facilitate the turning of the  
magnetoresistive sensor 20 in order to thread the  
magnetoresistive sensor 20 through the cylindrical wall  
16 of the compressor section 10. The magnetoresistive  
sensor has a third portion 32 through which electrical  
leads 34 may be run in order to couple the  
magnetoresistive sensing elements located within the  
housing 26 to a controller or other apparatus that is  
located externally of the housing 26. The housing 26,  
for example, ~~my~~ may be a stainless steel housing made  
from 300 series stainless steel.--

Please amend the paragraph on page 8, line 11  
as follows:

--Figure 6 shows a magnetoresistive subassembly 36 that is ~~housing~~ housed within the housing 26 of the magnetoresistive sensor 20. The magnetoresistive subassembly 36 includes a chip carrier 38, a magnetoresistive chip 40 supported by the chip carrier 38 on one side thereof, and a permanent magnet 42 supported by the chip carrier 38 on another side thereof. Accordingly, the chip carrier 38 is sandwiched between the magnetoresistive chip 40 and the permanent magnet 42. Alternatively, the permanent magnet 42 may be supported by the magnetoresistive chip 40. In this case, the magnetoresistive chip 40 is supported on the chip carrier 38, and the permanent magnet 42 is supported on the magnetoresistive chip 40. Other orientations of the chip carrier 38, the magnetoresistive chip 40, and the permanent magnet 42 relative to one another are also possible. The permanent magnet 42 is shown in Figure 7 and includes a flat surface that abuts the magnetoresistive chip 40 as shown in Figure 6.--

Please amend the paragraph on page 11, line 15  
as follows:

--The sensed speed of the turbocharger compressor wheel 12 can be used for a variety of purposes. For example, the sensed speed can simply be recorded. During warranty negotiations, this record provides evidence of whether or not the speed specification of the turbocharger had been exceeded by the customer. Instead of ~~receding~~ recording all speed readings for this purpose, only the maximum compressor speed need be stored. Accordingly, as each new compressor speed reading is made, it is compared to the stored maximum compressor speed reading and, if the new compressor speed reading is greater than the stored maximum compressor speed reading, the new compressor speed reading becomes the stored maximum compressor speed reading. The stored maximum compressor speed reading can be used for a variety of purposes. For example, if the stored maximum speed of the compressor exceeds design specifications, warranty claims can be refuted. Additionally or alternatively, the sensed speed can be used by a controller to eliminate most or all over speed conditions altogether.--